JDBC RowSets Maintenance Release 1.2

Description:
Maintenance review of the JDBC RowSets 1.0 Specification

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Feedback:
Comments should be sent to jsr114-comments@jcp.org

Rationale for Changes:
The goal is to address several specification issues.

Proposed Changes:

1. **Changes to BaseRowSet**

   Clarify that the following methods may throw SQLFeatureNotSupportedException if the driver or database does not support the feature:

   - setNCharacterStream
   - setNClob
   - setNString
   - setRowId
   - setSQLXML

2. **Changes to CachedRowSet**

   - void acceptChanges(), void acceptChanges(java.sql.Connection)
     - Clarify that the following methods will not throw a SQLException, just a SyncProviderException
   - CachedRowSet createCopySchema()
     - Clarify the return value
   - void rowSetPopulated(javax.sql.RowSetEvent, int)
     - Clarify when a SQLException will be thrown

3. **Changes to javax.sql.Predicate**

    - Correct errors in the example evaluate method.
    - boolean evaluate(javax.sql.RowSet)
        - Add the description of the javax.sql.RowSet parameter

4. **Changes to javax.sql.JdbcRowSet**

    - boolean getAutoCommit()
        - Clarify the return value
    - void rollback(java.sql.Savepoint)
        - Add the description of the java.sql.Savepoint parameter
    - void setAutoCommit(boolean)
        - Add the description of the boolean parameter

5. **Changes to javax.sql.RowSetMetaDataImpl**

    - Correct errors in the example evaluate method.
    - public <T> T unwrap(java.lang.Class)
        - Add the description of the Type parameter

6. **Changes to javax.sql.spi.SyncFactory**

    - public static java.util.logging.Logger getLogger()
        - Clarify the return value
    - public static Enumeration<SyncProvider> getRegisteredProviders()
        - Clarify when a SyncFactoryException will be thrown
    - public static java.util.Logger getLogger(java.util.logging.Logger, java.util.logging.Level)
        - Clarify when a SecurityException will be thrown

7. **Changes to javax.sql.serial.SerialArray**

    Clarified that SerialArray is not Thread Safe

The following additional methods have been added:

- public Object clone()
- public boolean equals(Object)
- public int hashCode()

The following method has been implemented:

- public void free() throws SQLException

The following methods has been clarified to indicate that a SerialException with its cause set to UnsupportedOperationException will be thrown:

- public ResultSet getResultSet() throws SerialException
- public ResultSet getResultSet(Map) throws SerialException
- public ResultSet getResultSet(long, int) throws SerialException
- public ResultSet getResultSet(long, int, Map) throws SerialException

8. **Changes to javax.sql.serial.SerialBlob**

Clarified that SerialBlob is not Thread Safe

The following additional methods have been added:

- public Object clone()
- public boolean equals(Object)
- public int hashCode()

The following method has been implemented:

- public void free() throws SQLException

9. **Changes to javax.sql.serial.SerialClob**

Clarified that SerialClob is not Thread Safe

The following additional methods have been added:

- public Object clone()
- public boolean equals(Object)
- public int hashCode()

The following method has been implemented:

- public void free() throws SQLException

10. **Changes to javax.sql.serial.SerialDatalink**

Clarified that SerialDatalink is not Thread Safe

The following additional methods have been added:

- public Object clone()
- public boolean equals(Object)
- public int hashCode()

11. **Changes to javax.sql.serial.SerialJavaObject**

Clarified that SerialJava is not Thread Safe

The following additional methods have been added:

- public Object clone()
- public boolean equals(Object)
- public int hashCode()

The following method has been clarified:

- public java.lang.reflect.Field[] getFields() throws SerialException
    - The circumstances when a SecurityException will be thrown

12. Changes to javax.sql.serial.SerialRef

Clarified that SerialRef is not Thread Safe

The following additional methods have been added:

- public Object clone()
- public boolean equals(Object)
- public int hashCode()

13. Changes to javax.sql.serial.SerialStruct

Clarified that SerialStruct is not Thread Safe

The following additional methods have been added:

- public Object clone()
- public boolean equals(Object)
- public int hashCode()

The following constructor has been clarified:

- public void SerialStruct(java.sql.Struct, Map) throws SerialException

    - Add the description of the java.sql.Struct parameter

14. End of JSR 114 as a standalone technology

RowSets 1.2 will be the last maintenance release of the JSR 114

specification as a standalone technology. RowSets will continue to be released with the Java Platform JSR, but will no longer exist as a standalone technology. Future changes to the RowSets API will be defined through the Java SE Platform JSR.

The subsumption of RowSets into the Platform JSR does not change any mechanisms defined in RowSets. The interfaces are the same except that they will then be directly specified in the Platform JSR. Deployment of alternative implementations of the RowSets API will continue to be supported.